1	COMPILATION AND RUNTIME INFORMATION GENERATION AND OPTIMIZATION
2	Abstract
3	To collect frequencies with which processes of a program are
4	executed at high speed. A compiler apparatus for optimizing a
5	program based on frequencies with which each process is
6	executed has a loop process detection portion for detecting a
7	repeatedly executed loop process of the program, a loop process
8	frequency collection portion for collecting loop process
9	frequencies with which the loop process is executed in the
10	program, an in-loop process frequency collection portion for
11	collecting in-loop process frequencies with which, as against
12	times of execution of loop process, each of a plurality of
13	in-loop processes included in the loop process is executed, an
14	in-loop execution information generating portion for generating
15	in-loop execution information indicating the frequencies with
16	which each of the plurality of in-loop processes is executed in
17	the case where the program is executed, and an optimization
18	portion for optimizing the program based on the in-loop
19	execution information.
20	Selected Drawing Figure 1

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